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(54) **METHODS OF POPULATING A GASTROINTESTINAL TRACT**

(57) Methods and compositions for populating the gastrointestinal tract of a subject are described. Methods include administering to a subject a therapeutic composition comprising a purified population of spore-forming bacteria produced by providing a fecal material and sub-

jecting the material to a treatment step resulting in purification of spore-forming bacteria. Methods include administering an amount effective to engraft and/or augment in the gastrointestinal tract in order to treat or prevent a dysbiosis in the mammalian subject.

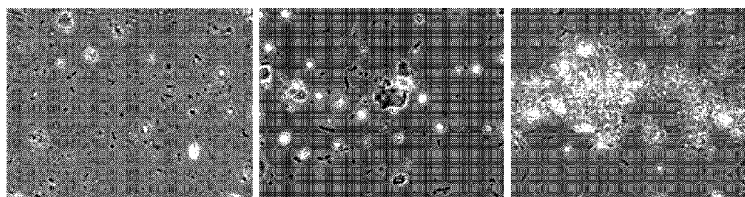


FIG. 3



EUROPEAN SEARCH REPORT

 Application Number
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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (IPC)
X	WO 2012/142605 A1 (SAMARITAN HEALTH SERVICES [US]; CUNNINGHAM GLEN [US]) 18 October 2012 (2012-10-18) * page 3 - page 5 * * page 14 - page 18; examples 1-4 *	1,3,6-15	INV. C12N1/20 A61K35/741
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E	WO 2014/082050 A1 (SERES HEALTH INC [US]) 30 May 2014 (2014-05-30) * paragraph [0008] - paragraph [0022]; claims 171,173-175; table 2 * * paragraph [0098] - paragraph [0113] *	1,2,4, 6-15	
A	WO 02/07741 A1 (BORODY THOMAS J [AU]) 31 January 2002 (2002-01-31) * the whole document *	1-15	TECHNICAL FIELDS SEARCHED (IPC)
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<div style="border: 1px solid black; padding: 5px;"> <p>The present search report has been drawn up for all claims</p> </div>			
Place of search		Date of completion of the search	Examiner
The Hague		18 October 2019	Devijver, Kristof
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

EPO FORM 1503 03.82 (P04C01)



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CLAIMS INCURRING FEES

The present European patent application comprised at the time of filing claims for which payment was due.

☐ Only part of the claims have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due and for those claims for which claims fees have been paid, namely claim(s):

☐ No claims fees have been paid within the prescribed time limit. The present European search report has been drawn up for those claims for which no payment was due.

LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

see sheet B

☐ All further search fees have been paid within the fixed time limit. The present European search report has been drawn up for all claims.

☐ As all searchable claims could be searched without effort justifying an additional fee, the Search Division did not invite payment of any additional fee.

☐ Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid, namely claims:

☒ None of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims, namely claims:

1-15(partially)

☐ The present supplementary European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims (Rule 164 (1) EPC).



LACK OF UNITY OF INVENTION
SHEET B

Application Number

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The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

1. claims: 1-15(partially)

Subject-matter related to a composition comprising at least *Clostridium bolteae* for use in treating a *Clostridium difficile* infection in a mammal.

2. claims: 1-15(partially)

Subject-matter related to a composition comprising at least *Clostridium symbiosum* for use in treating a *Clostridium difficile* infection in a mammal.

3. claims: 1-15(partially)

Subject-matter related to a composition comprising at least *Blautia producta* for use in treating a *Clostridium difficile* infection in a mammal.

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

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This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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